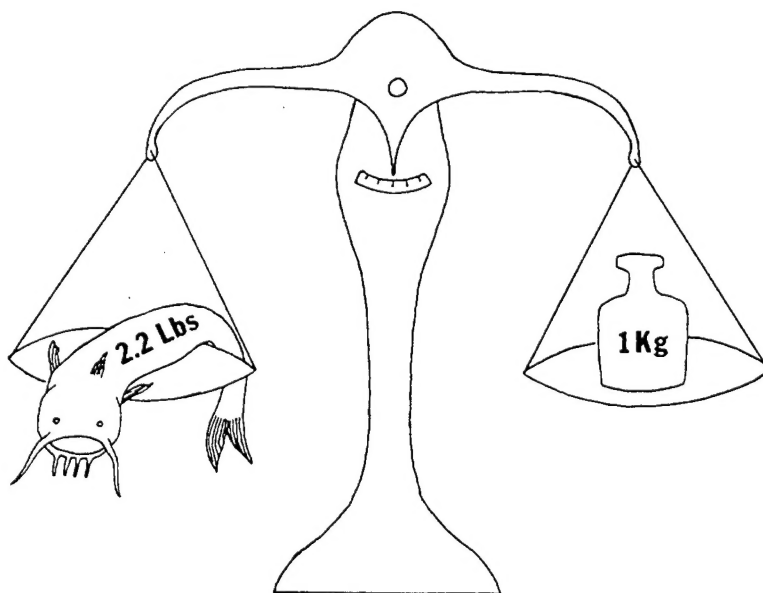


Conversions Useful in Fish Culture and Fishery Research and Management



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Conversions Useful in Fish Culture and Fishery Research and Management

Compiled by

Brenda Rodgers Moore
Andrew J. Mitchell

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atmosphere (atm)	mercury (Hg)
avoirdupois (avdp)	minute (min)
British Imperial (B.I.)	per (/)
Celsius (C)	percent (‰)
day (d)	per mille (‰)
Fahrenheit (F)	Rankine (R)
hour (h)	second (s)
international nautical	United States (U.S.; only
mile (INM)	with measurement)
Kelvin (K)	water (H ₂ O)

Conversions Useful in Fish Culture and Fishery Research and Management

compiled by

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These tables of conversions from metric to English and English to metric measurements, as well as to metric and English from other systems such as British Imperial and troy, are primarily designed for use by fish farmers, fish culturists, and fishery technicians and scientists. The lists are compiled in the form we have found to be most useful. Also included are tables for conversion of Fahrenheit to Celsius temperatures, gallons to liters, and miles to kilometers.

¹Present address: 3008 Covewood Dr., Highpoint, N.C. 27260.

Conversions

acre (A) =

4046.9 m²
40.469 a
0.405 ha
43,560 ft²
4840 yd²
160 rod²
0.00156 mi²
circle 235.4 ft diameter
square 208.71 ft/side

acre-foot (A-ft) =

1,233,500 L
1233.5 m³
1.233 dam³
1,233,500 kg H₂O
2,718,000 lb H₂O
325,850 gal
43,560 ft³
1 A of surface covered with 1 ft H₂O

ångström (Å) =

0.1 nm
0.0000000001 m
10⁻¹⁰ m

are (a) =

119.6 yd²
3.954 rod²
0.0247 A
100 m²
1.00 dam²
100 ca
0.01 ha

barrel, U.S. fruits and vegetables =

115.62 L
13.12 pk
3.28 bu
30.55 gal
7056 in.³
4.083 ft³

barrel, U.S. liquid (bbl) =

119.24 L
262.8 lb H₂O

26.23 gal_{BI}
31.5 gal
4.21 ft³

barrel, U.S. petroleum =

158.98 L
34.97 gal_{BI}
42 gal

bushel, B.I. (bu_{BI}) =

36.368 L
0.036 m³
9.607 gal
1.032 bu
2219.36 in.³
1.284 ft³
8 gal_{BI}
4 pk_{BI}

bushel, U.S. (bu) =

35.238 L
35.238 cm³
64 pt. dry
32 qt. dry
4 pk
2150.42 in.³
1.244 ft³

centare or centiare (ca) =

1549.9 in.²
10.764 ft²
1.196 yd²
1.0 m²
0.01 a

centigram (cg) =

0.154 grain
0.000353 oz
 3.53×10^{-4} oz
10 mg
0.01 g

centiliter (cL) =

0.338 fl oz
10 mL
0.01 L

centimeter (cm) =

0.394 in.
0.0328 ft

0.0109 yd

10 mm

0.01 m

centimeter of mercury (cm Hg) =

0.444 ft H₂O

0.193 lb/in.²

27.74 lb/ft²

135.462 kg/m²

0.0132 atm

centimeter per second (cm/s) =

0.0328 ft/s

1.969 ft/min

0.000373 mi/min

3.73×10^{-4} mi/min

0.0224 mph

0.6 m/min

0.036 km/h

centner (zentner) =

50 kg

cubic centimeter (cm³) =

0.0338 fl oz

0.00211 pt

0.00106 qt

0.000264 gal

2.64×10^{-4} gal

0.061 in.³

0.0000353 ft³

3.53×10^{-5} ft³

0.00000131 yd³

1.31×10^{-6} yd³

0.0353 oz H₂O

1.0 g H₂O

1.0 mL

0.001 L

1000 mm³

0.000001 m³

10^{-6} m³

cubic decimeter (dm³) =

61.023 in.³

0.0353 ft³

1000 cm³

0.001 m³

1.0 L

cubic foot (ft³) =

28.317 mL
28.317 cm³
28.317 L
28.317 dm³
0.0283 m³
28.317 g H₂O
28.317 kg H₂O
957.5 fl oz
59.84 pt
29.92 qt
7.481 gal
1728 in.³
0.037 yd³
436,984 grain H₂O
998.85 oz H₂O
62.427 lb H₂O

cubic feet per minute (ft³/min) =

471.9 cm³/s
0.472 L/s
28.317 L/min
1699 L/h
29.92 qt/min
1795.32 qt/h
0.125 gal/s
7.481 gal/min
448.83 gal/h
10,772 gal/d
60 ft³/h
998.85 oz H₂O/min
62.427 lb H₂O/min

cubic feet per second (ft³/s) =

28.317 L/s
1699 L/min
101,941 L/h
7.481 gal/s
448.83 gal/min
26.930 gal/h
60 ft³/min
3600 ft³/h
646,400 gal/d

cubic inch (in.³) =

16.387 g H₂O
16.387 mL

0.0164 L
16.387 cm³
0.00001639 m³
 1.639×10^{-5} m³
0.554 fl oz
0.0346 pt
0.0173 qt
0.00433 gal
0.000579 ft³
 5.79×10^{-4} ft³
0.00002143 yd³
 2.143×10^{-5} yd³
0.578 oz H₂O
0.036 lb H₂O

cubic meter (m³) =

33,815 fl oz
2113 pt
1057 qt
264.2 gal
61.023 in.³
35.31 ft³
1.308 yd³
2204.6 lb H₂O
1,000,000 g H₂O
1,000,000 mL
1,000,000 cm³
1000 dm³
1000 L
1 st

cubic millimeter (mm³) =

0.001 mL

cubic yard (yd³) =

764.559 L
764,600 cm³
0.7646 m³
0.7646 st
1615.79 pt
807.89 qt
201.97 gal
46,656 in.³
27 ft³
1685.5 lb H₂O

cubic yards per minute (yd³/min) =

12.743 L/s
764.559 L/min

3.37 gal/s
201.97 gal/min
0.45 ft³/s
27 ft³/min

cup =

236.58 mL
236.58 cm³
48 tsp
16 tbsp
8 fl oz
2 gi
8.344 oz H₂O

decare =

1196 yd²
0.2471 A
1000 m²
10 a
0.1 ha

deciare =

11.96 yd²
10 m²

decigram (dg) =

1.5432 grain
100 mg
10 cg
0.1 g

deciliter (dL) =

3.381 fl oz
0.211 pt
0.106 qt
6.103 in.³
100 mL
10 cL
0.1 L

decimeter (dm) =

3.937 in.
0.328 ft
10 cm
0.1 m

decistere (dst) =

3.531 ft³
0.1 m³
0.1 st

dekagram (dag) =

0.353 oz

10 g

dekaliter (daL) =

2.642 gal

1.135 pk

0.284 bu

610.25 in.³

0.3531 ft³

10 L

dekameter (dam) =

393.7 in.

32.808 ft

1000 cm

10 m

dekastere (dast) =

353.1 ft³

13.08 yd³

10 m³

10 st

doppel zentner (dz) =

100 kg

1.0 ql

220.46 lb

dram, avdp (dr) =

1.771 g

27.343 grain

0.0625 oz

dram, fluid, B.I. (fl dr_{BI}) =

3.552 cm³

0.961 fl dr

0.217 in.³

60 minim_{BI}

dram, fluid, U.S. (fl dr) =

3.696 mL

60 minim

0.125 fl oz

0.225 in.³

fathom (fath) =

1.829 m

6 ft

2 yd

foot (ft) =

304.8 mm
30.480 cm
0.305 m
12 in.
0.333 yd

foot of water pressure =

304.79 kg/m²
0.434 lb/in.²
62.427 lb/ft²
0.886 in. Hg
0.0295 atm

feet per minute (ft/min) =

0.5080 cm/s
0.305 m/min
18.29 m/h
0.0183 km/h
0.0167 ft/s
0.0114 mph

feet per second (ft/s) =

30.48 cm/s
18.29 m/min
1.097 km/h
0.0114 mi/min
0.682 mph
0.593 kn

gallon, B.I. (gal_{BI}) =

4.545 L
4.803 qt
1.201 gal
277.420 in.³
0.161 ft³
4 qt_{BI}

gallon, U.S. (gal) =

3785.4 mL
3.785 L
3785.4 cm³
0.00379 m³
3785.4 g H₂O
3.785 kg H₂O
256 tbsp
128 fl oz
32 gi

8 pt
4 qt
0.833 gal_{BI}
231 in.³
0.134 ft³
0.00495 yd³
58,416 grain H₂O
133.52 oz H₂O
8.345 lb H₂O

gallons per minute (gal/min) =

0.0631 L/s
3.875 L/min
5.45 t H₂O/d
6.009 ton, short H₂O/d
0.134 ft³/min
8.021 ft³/h
0.00223 ft³/s
1000 gal/min flow yields 1 A-ft in 5 h 26 min

gill, B.I. (gi_{BI}) =

142.066 cm³
8.669 in.³
1.665 cup
1.201 gi
5 fl oz_{BI}

gill, U.S. (gi) =

118.291 mL
0.118 L
4 fl oz
0.25 pt
7.218 in.³
0.5 cup
8 tbsp

grain, avdp (grain) =

64.8 mg
0.0648 g
0.0000648 kg
 6.48×10^{-5} kg
1.0 grain tr
0.0417 dwt
0.0366 dr
0.00229 oz
0.00208 oz tr
0.000143 lb
 1.43×10^{-4} lb

grain, troy (grain tr) =

1.0 grain

grains per B.I. gallon (grain/gal_{BI}) =

14.26 ppm

grains per U.S. gallon (grain/gal) =

17.12 ppm

142.86 lb/1,000,000 gal

gram (g) =

15.432 grain

0.564 dr

0.0353 oz

0.0322 oz tr

0.0022 lb

0.0338 fl oz H₂O

0.0021 pt H₂O

1,000,000 μ g

1000 mg

10 dg

0.001 kg

1.0 mL H₂O

1.0 cm³ H₂O

0.001 L H₂O

grams per liter (g/L) =

58.416 grain/gal

0.134 oz/gal

0.999 oz/ft³

8.345 lb/1000 gal

0.0624 lb/ft³

1000 ppm

3.785 g/gal

hectare (ha) =

107,640 ft²

2.471 A

10,000 m²

10,000 ca

100 a

1.0 hm²

hectogram (hg) =

3.527 oz

0.220 lb

100 g

10 dag

0.1 kg

hectoliter (hL) =

26.418 gal

3.531 ft³

2.838 bu

100 L

10 daL

0.1 m³

hectometer (hm) =

328 ft 1 in.

109.36 yd

100 m

10 dam

hundredweight, long (cwt, long) =

50.802 kg

0.0508 t

1792 oz

112 lb

0.05 ton, long

1.12 cwt, short

hundredweight, short (cwt, short) =

45.359 kg

0.0454 t

1600 oz

100 lb

0.05 ton, short

0.893 cwt, long

inch (in.) =

25,400 μm

25.40 mm

2.540 cm,

0.0254 m

0.0833 ft

0.0278 yd

inch of mercury (in. Hg) =

344.07 kg/m²

0.489 lb/in.²

70.45 lb/ft²

1.129 ft H₂O

0.0334 atm

inch of water (in. H₂O) =

25.40 kg/m²

0.578 oz/in.²

0.0361 lb/in.²

5.201 lb/ft²
0.0735 in. Hg
0.00246 atm

kilogram (kg) =

15.432 grain
35.274 oz
2.2046 lb
0.0011 ton, short
1.057 qt H₂O
1,000,000 mg
1000 g
10 hg
0.001 t
1.0 L H₂O

kilograms per hectare (kg/ha) =

0.892 lb/A

kiloliter (kL) =

264.17 gal
35.314 ft³
1,000,000 mL
1000 L
10 hL
1.0 m³
2204.6 lb H₂O
1000 kg H₂O

kilometer (km) =

3280.84 ft
1093.61 yd
0.621 mi
0.540 INM
100,000 cm
1000 m
10 hm
0.1 mym

knot (kn) =

1.0 INM/h
1.15 mph

liter (L) =

202.9 tsp
67.6 tbs
33.81 fl oz
4.23 cup

2.113 pt
1.057 qt
0.908 qt, dry
0.264 gal
35.27 oz H₂O
2.2046 lb H₂O
61.025 in.³
0.0353 ft³
0.00131 yd³
1000 mL
1000 cm³
10 dL
1.0 dm³
0.001 m³
1000 g H₂O
1.0 kg H₂O

liters per minute (L/min) =

0.0044 gal/s
0.264 gal/min
15.852 gal/h
0.0353 ft³/min
2.119 ft³/h

meter (m) =

39.37 in.
3.281 ft
1.094 yd
0.199 rod
1000 mm
100 cm
10 dm
0.001 km
0.0001 mym

meters per minute (m/min) =

0.0547 ft/s
3.281 ft/min
0.0373 mph
1.667 cm/s
0.06 km/h

meters per second (m/s) =

3.281 ft/s
196.86 ft/min
0.0373 mi/min
2.237 mph
0.06 km/min
3.60 km/h

microgram (μg) =

0.00001543 grain
 1.543×10^{-5} grain
0.001 mg
0.000001 g
 10^{-6} g

microliter (μL) =

0.001 mL
0.000001 L
 10^{-6} L
 1.0 mm^3

micrometer (μm) =

0.00003937 in.
 3.937×10^{-5} in.
1000 nm
0.001 mm
0.000001 m
 10^{-6} m

mile (mi) =

160,935 cm
1609.35 m
1.609 km
0.161 mym
5280 ft
1760 yd
320 rod
0.870 INM

miles per hour (mph) =

44.70 cm/s
26.82 m/min
1.609 km/h
1.467 ft/s
88 ft/min
0.870 kn

miles per minute (mi/min) =

2682.25 cm/s
1.609 km/min
96.561 km/h
88 ft/s
60 mph

milligram (mg) =

0.0154 grain
1000 μg
0.001 g

milligrams per liter (mg/L) of water =
1 ppm (by weight)

milliliter (mL) =
0.203 tsp
0.0338 fl oz
0.002 pt
0.001 qt
0.061 in.³
0.035 oz H₂O
0.002 lb H₂O
1000 mm³
1.0 cm³
0.001 L
1.0 g H₂O
20 drops (±, depending on viscosity
temperature, dropper bore, and force of
propulsion)

millimeter (mm) =
0.0394 in.
1,000,000 nm
1000 μm
0.1 cm
0.001 m

million gallons per day =
43.81 L/s
2628.75 L/min
11.57 gal/s
694.44 gal/min
41,667 gal/h
1.547 ft³/s
92.83 ft³/min
5569.67 ft³/h
133,700 ft³/d

minim, B.I. (minim_{BI}) =
59.194 mm³
0.0592 cm³
0.961 minim
0.00361 in.³
0.0167 fl dr_{BI}

minim, U.S. (minim) =
0.0616 mL
0.00376 in.³
0.0167 fl dr

myriagram (myg) =

22.046 lb

10.000 g

10 kg

myrialiter (myL) =

2641.7 gal

353.14 ft³

283.78 bu

83.86 bbl

10.000 L

myriameter (mym) =

6.214 mi

10.000 m

10 km

myriare =

247.1 A

1,000,000 m²

100 ha

nanogram (ng) =

0.000000001 g

10⁻⁹ g

nanometer (nm) =

0.000000001 m

10⁻⁹ m

10 Å

nautical mile (INM) =

1852 m

1.852 km

6076.115 ft

2025.37 yd

1.151 mi

ounce, avdp (oz) =

28.3495 g

0.02835 kg

0.00002835 t

2.835×10^{-5} t

437.5 grain

16 dr

0.0625 lb

0.00003125 ton, short

3.125×10^{-5} ton, short

0.00002790 ton, long

2.790×10^{-5} ton, long

0.911 oz tr

0.959 fl oz H₂O

ounce, fluid, B.I. (fl oz_{BI}) =

28.416 cm³

1.734 in.³

0.961 fl oz

8 fl dr_{BI}

ounce, fluid, U.S. (fl oz) =

29.573 g H₂O

29.573 mL

0.0296 L

29.573 cm³

0.00002957 m³

2.957×10^{-5} m³

1.043 oz H₂O

0.0652 lb H₂O

8 fl dr

0.125 cup

0.0625 pt

0.0313 qt

0.00781 gal

6 tsp

2 tbs

1.804 in.³

0.00104 ft³

ounce, troy (oz tr) =

31.103 g

480 grain

17.555 dr

20 dwt

1.097 oz

0.0833 lb tr

parts per billion (ppb), by weight =

1.0 ng/mL H₂O

1.0 μg/L H₂O

3.785 μg/gal H₂O

28.316 μg/ft³ H₂O

0.001 mg/L H₂O

1.233 g/A-ft H₂O

0.001 ppm (by weight)

0.0000001 ‰

10^{-7} ‰

0.000001 ‰

10^{-6} ‰

parts per hundred (pph), by weight =

1.0 g/100 mL H₂O
 10 g/1000 mL H₂O
 10 g/L H₂O
 4.54 g/lb
 4.73 g/pt H₂O
 37.85 g/gal H₂O
 283.17 g/ft³ H₂O
 10 mL/1000 mL
 10 mL/L
 37.85 mL/gal
 10 cm³/L
 7.85 cm³/gal
 1.28 fl oz/gal
 1.34 oz/gal H₂O
 9.988 oz/ft³ H₂O
 0.624 lb/ft³ H₂O
 1.0 ‰
 10 ‰

parts per million (ppm), by weight =

1.0 µg/mL H₂O
 1.0 mg/L H₂O
 1.0 mg/kg
 3.785 mg/gal H₂O
 0.001 g/L H₂O
 0.00378 g/gal H₂O
 0.0283 g/ft³ H₂O
 0.378 g/100 gal H₂O
 1.0 g/m³ H₂O
 1233 g/A-ft
 0.001 mL/L
 0.00378 mL/gal
 0.378 mL/100 gal
 1.0 mL/1,000,000 mL
 1.0 mL/1000 L
 0.0584 grain/gal H₂O
 0.0702 grain/gal_B H₂O
 0.437 grain/ft³ H₂O
 0.134 oz/1000 gal H₂O
 0.999 oz/1000 ft³ H₂O
 1.0 lb/1,000,000 lb H₂O
 0.0000624 lb/ft³ H₂O
 6.24 × 10⁻⁵ lb/ft³ H₂O
 2.718 lb/A-ft H₂O
 8.345 lb/10⁶ gal H₂O
 0.008 pt/1000 gal

0.0599 pt/1000 ft³

1.303 qt/A-ft

0.326 gal/A-ft

0.0001 ‰

0.001 ‰

parts per thousand (ppt), by weight =

1.0 mg/mL H₂O

1.0 g/L H₂O

3.785 g/gal H₂O

28.316 g/ft³ H₂O

15.432 grain/L H₂O

0.134 oz/gal H₂O

0.999 oz/ft³ H₂O

0.1 ‰

1.0 ‰

parts per trillion (pptr), by weight =

1.0 pg/mL H₂O

1.0 ng/L H₂O

0.001 µg/L H₂O

0.000001 ppm (by weight)

10⁻⁶ ppm (by weight)

0.000000001 ‰

10⁻¹⁰ ‰

0.000000001 ‰

10⁻⁹ ‰

peck, B.I. (pk_{BI}) =

9092 cm³

0.00909 m³

1.032 pk

554.84 in.³

0.321 ft³

8 qt_{BI}

2 gal_{BI}

peck, U.S. (pk) =

8.810 L

8 qt, dry

0.25 bu

537.605 in.³

0.311 ft³

pennyweight, troy (dwt) =

1.555 g

24 grain

0.05 oz tr

0.00417 lb tr

picogram (pg) =

0.000000000001 g

10^{-12} g

pint, B.I. (pt_{BI}) =

568.26 cm³

34.678 in.³

1.201 pt

1.032 pt, dry

4 gi_{BI}

pint, U.S. dry (pt, dry) =

550.6 cm³

0.551 L

33.600 in.³

1.164 pt

0.582 qt

0.5 qt, dry

pint, U.S. liquid (pt) =

473.17 mL

473.17 cm³

0.473 L

0.000473 m³

4.73×10^{-4} m³

473.17 g H₂O

32 tbsp

16 fl oz

4 gi

2 cup

0.859 pt, dry

0.430 qt, dry

0.5000 qt

0.1250 gal

28.875 in.³

0.0167 ft³

16.688 oz H₂O

1.043 lb H₂O

pound, avdp (lb) =

453.592 g

0.454 kg

0.000454 t

4.54×10^{-4} t

453.592 mL H₂O

453.592 cm³ H₂O

0.454 L H₂O

7000 grain

256 dr

16 oz
14.583 oz tr
1.215 lb tr
0.0005 ton, short
15.338 fl oz H₂O
0.959 pt H₂O
0.479 qt H₂O
0.120 gal H₂O
27.680 in.³ H₂O
0.0160 ft³ H₂O

pound, troy (lb tr) =

373.241 g
0.373 kg
0.000373 t
 3.73×10^{-4} t
5760 grain
240 dwt
210.66 dr
13.166 oz
12 oz tr
0.823 lb
0.000411 ton, short
 4.11×10^{-4} ton, short
0.000367 ton, long
 3.67×10^{-4} ton, long

pounds per acre (lb/A) =

1.121 kg/ha

pounds per million gallons of water =

0.120 ppm (by weight)

pound of water per minute =

0.4536 L/min
0.120 gal/min
0.0160 ft³/min

quart, B.I. (qt_{BI}) =

1.136 L
1.201 qt
1.032 qt, dry
69.355 in.³
2 pt_{BI}

quart, U.S. dry (qt, dry) =

1101 cm³
1.101 L
2.328 pt

2 pt. dry
1.164 qt
67.200 in.³

quart, U.S. liquid (qt) =

946.34 g H₂O
946.34 mL
0.946 L
946.34 cm³
0.000946 m³
 9.46×10^{-4} m³
64 tbsp
32 fl oz
8 gi
4 cup
2 pt
0.859 qt. dry
0.25 gal
57.749 in.³
0.0334 ft³
33.376 oz H₂O
2.086 lb H₂O

quintal (ql) =

220.46 lb
100.000 g
100 kg
10 myg
1.0 dz

rod =

5.029 m
198 in.
16.5 ft
5.50 yd

square centimeter (cm²) =

0.155 in.²
0.00108 ft²
100 mm²
0.0001 m²

square decimeter (dm²) =

15.50 in.²
100 cm²
0.01 m²

square dekameter (dam²) =

119.6 yd²
100 m²

square foot (ft²) =

929.03 cm²
 0.0929 m²
 144 in.²
 0.111 yd²
 0.00002296 A
 2.296×10^{-5} A
 0.00000003587 mi²
 3.587×10^{-8} mi²
 square 12 in. per side

square hectometer (hm²) =

107,600 ft²
 2.471 A
 10,000 m²
 100 dam²
 100 a
 1.0 ha

square inch (in.²) =

645.16 mm²
 6.452 cm²
 0.00694 ft²
 0.00077 yd²

square kilometer (km²) =

10,764,000 ft²
 1,196,000 yd²
 247.1 A
 0.386 mi²
 1,000,000 m²
 10,000 a
 100 hm²
 100 ha

square meter (m²) =

1550.007 in.²
 10.764 ft²
 1.196 yd²
 0.000247 A
 2.47×10^{-4} A
 0.0000003861 mi²
 3.861×10^{-7} mi²
 10,000 cm²
 100 dm²
 1.0 ca
 0.01 a

square mile (mi²) =

2,590,000 m²

259 ha
2.590 km²
27,878,000 ft²
3,098,000 yd²
102,400 rod²
640 A

square millimeter (mm²) =
0.00155 in.²
0.01 cm²

square rod (rod²) =
25.29 m²
25.29 ca
0.253 a
272.25 ft²
30.25 yd²

square yard (yd²) =
8361.3 cm²
0.836 m²
1296 in.²
9 ft²
0.000207 A
 2.07×10^{-4} A
0.0000003228 mi²
 3.228×10^{-7} mi²

stere (st) =
1.308 yd³
1.0 m³

stone =
6.350 kg
14 lb

tablespoon (tbsp) =
14.79 mL
14.79 cm³
3 tsp
0.50 fl oz

teaspoon (tsp) =
4.929 mL
4.929 cm³
0.333 tbsp
0.167 fl oz

ton, long =
1016.05 kg
1.016 t
35,840 oz

2240 lb
20 cwt, long
1.120 ton, short

ton, metric (t) =

2204.62 lb
0.984 ton, long
1.102 ton, short
1000 kg
1000 L H₂O
10 ql
10 dz

ton, short =

907.184 kg
0.907 t
32,000 oz
29,167 oz tr
2430.56 lb tr
2000 lb
20 cwt, short
0.893 ton, long

ton (short) of water per 24 h =

0.907 t/24 h
37.80 L/h
83.333 lb/h
0.166 gal/min
9.986 gal/h
1.335 ft³/h

yard (yd) =

91.44 cm
0.914 m
36 in.
3 ft
0.182 rod
0.000568 mi
 5.68×10^{-4} mi

Conversion Tables

Distance (miles and kilometers)

Miles to kilometers

mi	km	mi	km	mi	km
1	1.61	10	16.09	100	160.94
2	3.22	20	32.19	150	241.40
3	4.83	30	48.28	200	321.87
4	6.44	40	64.37	300	482.80
5	8.05	50	80.47	400	643.74
6	9.66	60	96.56	500	804.67
7	11.27	70	112.65	600	965.61
8	12.87	80	128.75	700	1126.54
9	14.48	90	144.84	800	1287.48
				900	1448.41
				1000	1609.35

Kilometers to miles

km	mi	km	mi	km	mi
1	0.62	10	6.21	100	62.14
2	1.24	20	12.43	150	93.21
3	1.86	30	18.64	200	124.27
4	2.49	40	24.85	300	186.41
5	3.11	50	31.07	400	248.55
6	3.73	60	37.28	500	310.68
7	4.35	70	43.50	600	372.82
8	4.97	80	49.71	700	434.96
9	5.59	90	55.92	800	497.10
				900	559.23
				1000	621.37

Capacity (gallons and liters)

Gallons to liters

gal	liters	gal	liters
1	3.785	10	37.853
2	7.571	20	75.707
3	11.356	30	113.560
4	15.141	40	151.413
5	18.927	50	189.267
6	22.712	60	227.120
7	26.497	70	264.973
8	30.283	80	302.827
9	34.068	90	340.680
		100	378.533

Liters to gallons

liters	gal	liters	gal
1	0.264	10	2.642
2	0.528	20	5.284
3	0.793	30	7.926
4	1.057	40	10.568
5	1.321	50	13.209
6	1.585	60	15.852
7	1.849	70	18.494
8	2.114	80	21.136
9	2.378	90	23.778
		100	26.417

Temperature^a

Fahrenheit to Celsius

°F	°C	°F	°C
212.0	100.0	75.0	23.9
200.0	93.3	74.0	23.3
190.0	87.8	73.0	22.8
180.0	82.2	72.0	22.2
170.0	76.7	71.0	21.7
160.0	71.1	70.0	21.1
150.0	65.6	69.0	20.6
140.0	60.0	68.0	20.0
130.0	54.4	67.0	19.4
120.0	48.9	66.0	18.9
110.0	43.3	65.0	18.3
100.0	37.8	64.0	17.8
98.6	37.0	63.0	17.2
95.0	35.0	62.0	16.7
90.0	32.2	61.0	16.1
89.0	31.7	60.0	15.6
88.0	31.1	59.0	15.0
87.0	30.6	58.0	14.4
86.0	30.0	57.0	13.8
85.0	29.4	56.0	13.3
84.0	28.9	55.0	12.8
83.0	28.3	50.0	10.0
82.0	27.8	45.0	7.2
81.0	27.2	40.0	4.4
80.0	26.7	35.0	1.7
79.0	26.1	32.0	0
78.0	25.6	0.0	-17.8
77.0	25.0	-40.0	-40.0
76.0	24.4		

^aFormula for conversion of temperatures:

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 9/5) + 32$$

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$$

$$1.8\ ^{\circ}\text{C} = ^{\circ}\text{F} - 32$$

$$^{\circ}\text{K} = ^{\circ}\text{C} + 273$$

$$^{\circ}\text{R} = ^{\circ}\text{F} + 460$$

Celsius to Fahrenheit

°C	°F	°C	°F	°C	°F
100.0	....212.0	66.0	....150.8	32.0	....89.6
99.0	....210.2	65.0	....149.0	31.0	....87.8
98.0	....208.4	64.0	....147.2	30.0	....86.0
97.0	....206.6	63.0	....145.4	29.0	....84.2
96.0	....204.8	62.0	....143.6	28.0	....82.4
95.0	....203.0	61.0	....141.8	27.0	....80.6
94.0	....201.2	60.0	....140.0	26.0	....78.8
93.0	....199.4	59.0	....138.2	25.0	....77.0
92.0	....197.6	58.0	....136.4	24.0	....75.2
91.0	....195.8	57.0	....134.6	23.0	....73.4
90.0	....194.0	56.0	....132.8	22.0	....71.6
89.0	....192.2	55.0	....131.0	21.0	....69.8
88.0	....190.4	54.0	....129.2	20.0	....68.0
87.0	....188.6	53.0	....127.4	19.0	....66.2
86.0	....186.8	52.0	....125.6	18.0	....64.4
85.0	....185.0	51.0	....123.8	17.0	....62.6
84.0	....183.2	50.0	....122.0	16.0	....60.8
83.0	....181.4	49.0	....120.2	15.0	....59.0
82.0	....179.6	48.0	....118.4	14.0	....57.2
81.0	....177.8	47.0	....116.6	13.0	....55.4
80.0	....176.0	46.0	....114.8	12.0	....53.6
79.0	....174.2	45.0	....113.0	11.0	....51.8
78.0	....172.4	44.0	....111.2	10.0	....50.0
77.0	....170.6	43.0	....109.4	9.0	....48.2
76.0	....168.8	42.0	....107.6	8.0	....46.4
75.0	....167.0	41.0	....105.8	7.0	....44.6
74.0	....165.2	40.0	....104.0	6.0	....42.8
73.0	....163.4	39.0	....102.2	5.0	....41.0
72.0	....161.6	38.0	....100.4	4.0	....39.2
71.0	....159.8	37.0	.... 98.6	3.0	....37.4
70.0158.0	36.0 96.8	2.035.6
69.0156.2	35.0 95.0	1.033.8
68.0154.4	34.0 93.2	032.0
67.0152.6	33.0 91.4		

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